

Outdoor Type 3R/4 Cooling Units

Features/Benefits:

Pfannenberger strives to provide a relatively maintenance-free design for our customers. All our designs have additional options including:

Filter Kits Option - for special applications like dogwood seeds or desert sand that need an external filter to prevent clogging of the condenser core.

Enclosure Heater Option - for special applications where heating is required to control condensate or keep electronics above a desired temperature range in cold climates.

Voltage Options - Many of our cooling units have been designed for both 50/60 Hz applications as well as 400 or 460 V operations with a simple jumper change in the e-box.



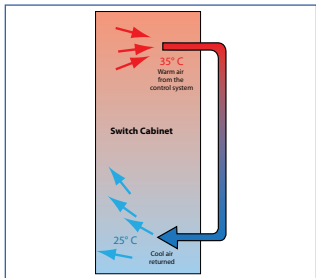
Wide Condenser Fin Spacing / Coated Condenser & Pipes

This filter-free design also reduces the amount of maintenance required by the customer. A quick cleaning of the condenser is required less frequently versus the competition's models, while capacity is not compromised by easy clogging of the condenser core.



Rugged, Long-lasting Backward Curved Impeller Fans

Utilizing this type of fan, our cooling units can go twice as long before needing service versus a typical blower style fan that has smaller, low-cost and high maintenance bearings.



Proper Long Internal Air Flow Paths

The backward curve fan also has a natural right angle air path that allows our cooling units to capture hot air from the top of the electrical cabinet and deposit cool, dry air to the bottom of the cabinet and underneath critical components on the panel.



Hermetically Sealed Refrigeration Circuit

Utilizing a maintenance free design, Pfannenberger implements a hermetically sealed design that **eliminates gasketed valves** and the leak source for many other A/C unit designs. Therefore, our cooling units do not need annual maintenance to determine if the unit is properly charged with R134a refrigerant.



Standard Control Board

Controlling temperature and alarm setting via dip-switches, preventing airflow short cycling, high pressure switch alarm, on/off control of compressor with built-in delay timer and a LED lamp with four different flashing sequences. The control board is located in inner air circuit for protection from heat and dirt.

Application Examples

The following are just a few examples of the industries and applications in which Pfannenberg's Outdoor Cooling Units can be utilized. Call us today to find out how you can cut costs by keeping your processes, whatever they may be, up and running with reliability you can count on.



Electronic Billboards / Kiosks



Cooling Towers, HVAC / Telecom



Mining Operations / Renewable Energy



DTS 3031 (NEMA Outdoor Type 3R/4)

Cooling Unit 900 - 1200 Btu/h

- Compact design, ideal for small control cabinets or for cooling of hot spots in larger control cabinets
- Maintains a UL Tested NEMA Type 3R/4 seal against enclosure
- UL 484 Listed, category ACVS, UL file #SA10300, CE approved for European use
- Logic connector for door contact input
- Powder coated steel cover for rugged environments, easily painted to match enclosure or machine
- Condenser with 3 mm fin spacing, highly effective protection against strongly contaminated and aggressive ambient air
- Utilizes a thermal expansion valve (TXV) to ensure maximum performance over a broad range



Data		DTS 3031 (NEMA Type 3R/4)		Unit
Part number	ANSI 61 (Gray)	13383141351	13383144351	
	RAL 7035 (Light Gray)	13383141355	13383144355	
Rated voltage ± 10 %		230	115	VAC
Frequency		50/60	60	Hz
Cooling performance according to EN 14511		1200		Btu/h
Power consumption		253	243	W
Nominal (Run) Current @ 35/35 °C		1.2	3	A
Starting current		3.5	5	
Unimpeded airflow (free flow)	internal	38 (65)		CFM (m³/h)
	external	99 (169)		
Fuse (maximum) Class CC		15	15	A
Type of connection		cord with molded plug		
Noise level (according to EN ISO 3741)		< 64		dB(A)
Weight (without packaging)		30 (13.6)		lb (kg)
Ambient temperature range		+ 46 ... + 114/ + 8 ... + 45		°F / °C
Control range (adjustable)		+ 77 ... + 113 / + 25 ... + 45 factory setting + 95 / + 35		
Refrigerant	type	R134a		
	quantity	150		g
Duty cycle		100 %		
Condensate management		Integrated Condensate Management System with Condensate Drain		
Protection system according to NEMA type		NEMA 3R/4 against enclosure when properly installed		
		NEMA 1 towards the surroundings when properly installed		
Design	housing	galvanized sheet steel		
	cover	galvanized/electrostatically powder coated (200 °C)		

Accessories	Piece	Part number	Information on page
Metal Mesh Filter	1	18881500009	104
Condensate bottle	1	18314000100	104

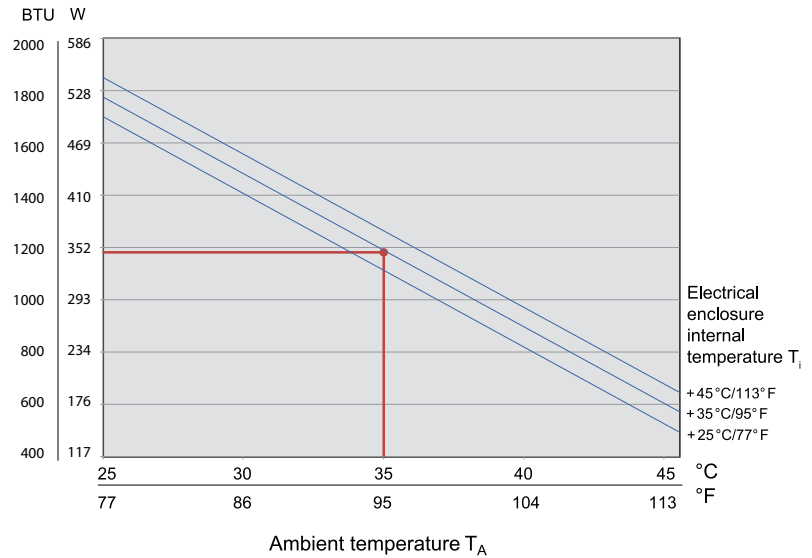
Approvals see page 15/16

Cooling Capacity Performance Curve

DTS 3031

How to use chart

Example:
@ 95° F (ambient, X-axis), @ 95° F
(internal, diagonal lines)
= 1187 Btu/h cooling capacity (Y-axis)



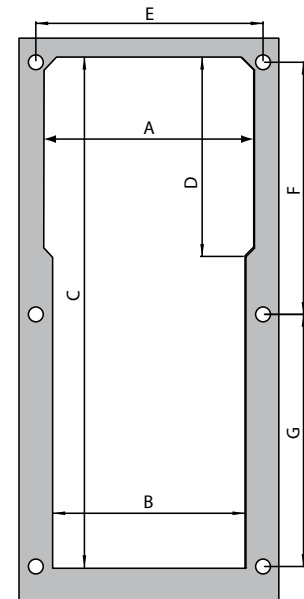
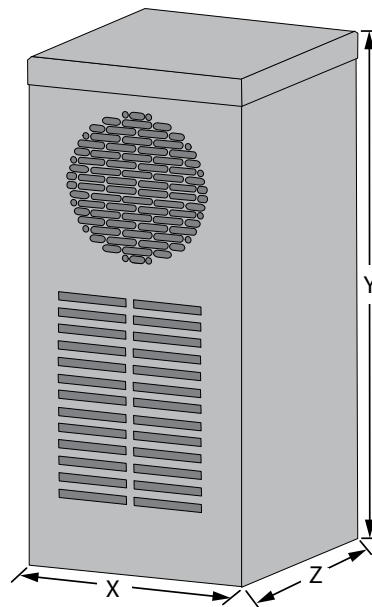
Dimensions

DTS 3031

Dimension	inches	mm
X	7	177.8
Y	15.5	393.7
Z	7.75	196.8
A	5.31	135
B	4.88	124
C	12.91	328
D	5.04	128
E	5.75	146
F	6.38	162
G	6.38	162

Mounting holes Ø 10 mm

For exact cutout information reference drilling template at pfannenbergusa.com



DTS 3061 (NEMA Outdoor Type 3R/4)

Cooling Unit 2000 - 3000 Btu/h

- Compact design, ideal for small control cabinets and larger control cabinets for the cooling of hot spots
- Large distance between intake and exhaust vents, safe circulation within the electrical enclosure due to long passage of air, therefore hot spots are eliminated
- Maintains a UL Tested NEMA Type 3R/4 seal against enclosure
- UL 484 Listed, category ACVS, UL file #SA10300, CE approved for European use
- Maintenance-free design, filterless for most applications
- Powder coated steel cover for rugged environments, easily painted to match enclosure or machine
- Condenser with 3 mm fin spacing, highly effective protection against strongly contaminated and aggressive ambient air
- Active condensate evaporation system
- Utilizes a thermal expansion valve (TXV) to ensure maximum performance over a broad range



Data		DTS 3061 (NEMA Outdoor Type 3R/4)		Unit
Part number	ANSI 61 (Gray)	13382341351	13382344351	
	RAL 7035 (Light Gray)	13382341355	13382344355	
Rated voltage ± 10 %		230	115	VAC
		50/60	60*	Hz
Cooling performance according to EN 14511		2000 - 3000		Btu/h
Power consumption		663	690	W
Nominal (Run) Current @ 35A/35A °C		3.4	5.0	A
Starting current		14.4	12.2	
Unimpeded airflow (free flow)	internal	88 (150)		CFM (m³/h)
	external	191 (325)		
Fuse (maximum) Class CC		15	15	A
Type of connection		cord with molded plug		
Noise level (according to EN ISO 3741)		< 64		dB(A)
Weight (without packaging)		51 (23)		lb (kg)
Ambient temperature range		+ 32 ... + 131 / + 0 ... + 55		°F / °C
Control range (adjustable)		+ 77 ... + 113 / + 25 ... + 45 factory setting + 95 / + 35		
Refrigerant	type	R134a		
	quantity	400	228	g
Duty cycle		100 %		
Condensate management		Integrated Condensate Management System with Condensate Drain		
Protection system according to NEMA type		NEMA Type 3R/4 against enclosure when properly installed		
		NEMA Type 1 towards the surroundings when properly installed		
Design	housing	galvanized sheet steel		
	cover	galvanized/electrostatically powder coated (200 °C)		

*50 Hz unit available. Consult factory.

Option(s)	Piece	Part number	Information on page
900 W Enclosure Heater	1	Consult Factory	-
Accessories	Piece	Part number	Information on page
Metal Mesh Filter	1	18881500005	104
Condensate bottle	1	18314000100	104

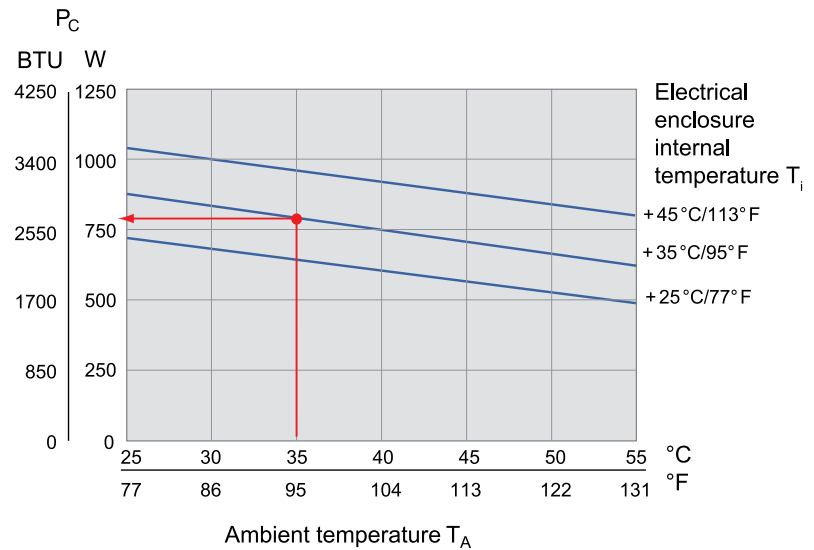
Approvals see page 15/16

Cooling Capacity Performance Curve

DTS 3061

How to use chart

Example:
@ 95° F (ambient, X-axis), @ 95° F
(internal, diagonal lines)
= 2660 Btu/h cooling capacity (Y-axis)



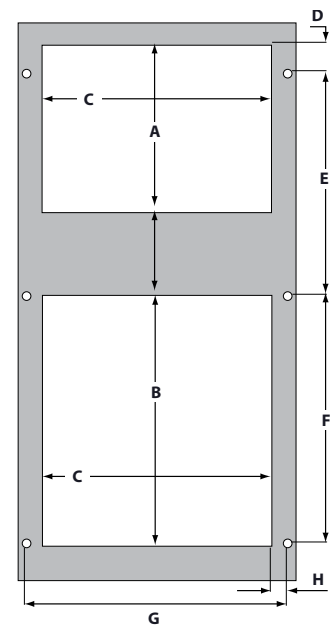
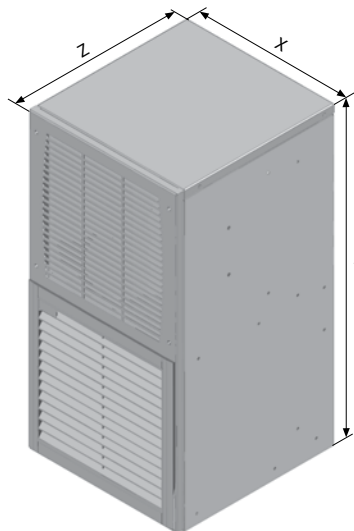
Dimensions

DTS 3061

Dimension	inches (mm)
X	10.1 (256)
Y	20.2 (512)
Z	10.8 (274)
A	6.0 (152)
B	9.1 (230)
C	8.3 (210)
D	1.0 (26)
E	8.0 (203)
F	8.9 (226)
G	9.4 (238)
H	.06 (14)
I	3.0 (76)

Mounting holes \varnothing 10 mm

Drawings are for reference only. Before making cutout consult pfannenbergusa.com for precise templates.



DTS 3161 (NEMA Outdoor Type 3R/4)

Cooling Unit 3000 - 4000 Btu/h

- Large distance between intake and exhaust vents, safe circulation within the electrical enclosure due to long passage of air, therefore hot spots are eliminated
- Maintains a UL Tested NEMA Type 3R/4 seal against enclosure
- UL 484 Listed, category ACVS, UL file #SA10300, CE approved for European use
- Maintenance-free design, filterless for most applications
- Powder coated steel cover for rugged environments, easily painted to match enclosure or machine
- Condenser with 3 mm fin spacing, highly effective protection against strongly contaminated and aggressive ambient air
- Uses Internal Standard Control (SC) board
- Active condensate evaporation system
- Utilizes a thermal expansion valve (TXV) to ensure maximum performance over a broad range



Data		DTS 3161 (NEMA Outdoor Type 3R/4)			Unit
Part number	ANSI 61 (Gray)	13385436351	13385441351	13385444351	
	RAL 7035 (Light Gray)	13385436355	13385441355	13385444355	
Rated voltage ± 10 %		460 1Ø	230	115	VAC
Frequency		50 / 60		60	Hz
Cooling performance according to EN 14511		3000 - 4000			Btu/h
Power consumption		1000	795	845	W
Nominal (Run) Current @ 35A/35A °C		2	4	7	A
Starting current		15	15	10	
Unimpeded airflow (free flow)	internal	178 (300)			CFM (m³/h)
	external	110 (185)			
Fuse (maximum)** Class CC		3	6	10	A
Type of connection		permanent spring terminal			
Noise level (according to EN ISO 3741)		< 70			dB(A)
Weight (without packaging)		95 (43)			lb (kg)
Ambient temperature range		+ 32 ... + 131 / + 0 ... + 55			°F / °C
Control range (adjustable)		+ 77 ... + 113 / + 25 ... + 45; factory setting + 95 / + 35			
Refrigerant	type	R134a			g
	quantity	400			
Duty cycle		100 %			
Condensate management		active condensate evaporation system with safety overflow			
Protection system according to NEMA type		NEMA Type 3R/4 against enclosure when properly installed			
		NEMA Type 1 towards the surroundings when properly installed			
Design	housing	galvanized sheet steel			
	cover	galvanized/electrostatically powder coated (200 °C); stainless steel on request			

** SCCR rating - See user manual for instructions to achieve 50 kA (460 V) SCCR rating.

Option(s)	Piece	Part number	Information on page
900 W Enclosure Heater	1	Consult Factory	-
Accessories	Piece	Part number	Information on page
Metal Mesh Filter	1	18881500009	104
Condensate bottle	1	18314000100	104

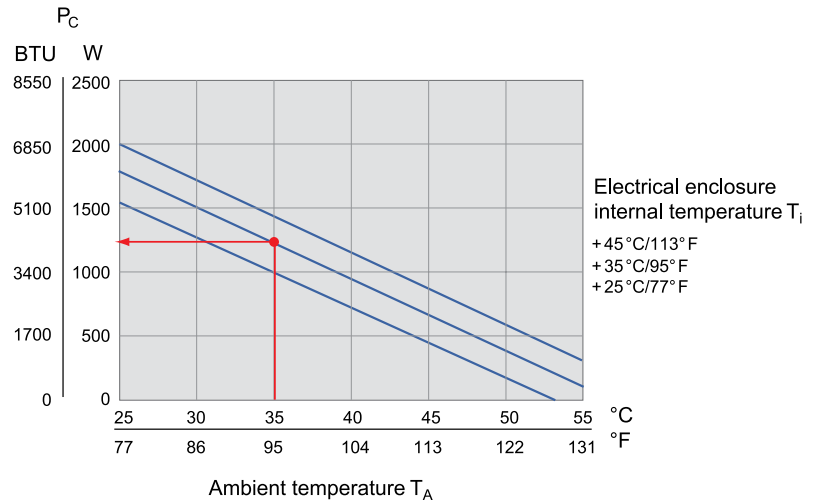
Approvals see page 15/16

Cooling Capacity Performance Curve

DTS 3161

How to use chart

Example:
@ 95° F (ambient, X-axis), @ 95° F
(internal, diagonal lines)
= 3755 Btu/h cooling capacity (Y-axis)



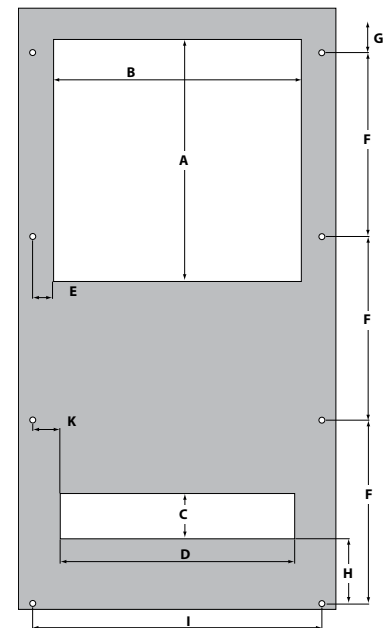
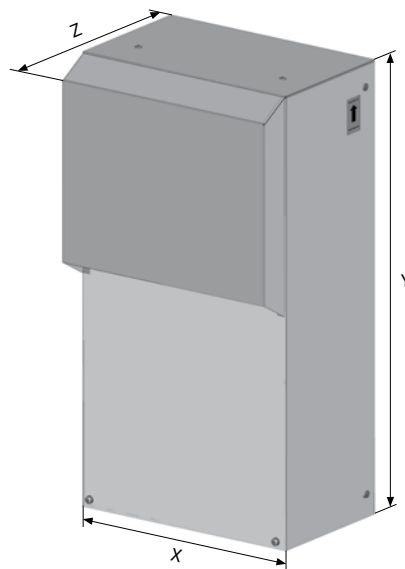
Dimensions

DTS 3161

Dimension	inches (mm)
X	15.55 (395)
Y	29.33 (748)
Z	11.57 (294)
A	11.81 (300)
B	12.2 (310)
C	2.2 (56)
D	11.5 (292)
E	.98 (25)
F	9 (228.6)
G	1.5 (38.1)
H	3.19 (81)
I	14.17 (360)
J	10.12 (257)
K	1.34 (34)

Mounting holes \varnothing 8 mm

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DTS 3161 SL (NEMA Type 3R/4)

Cooling Unit 3000 - 5000 Bth/h

- Large distance between intake and exhaust vents, safe circulation within the electrical enclosure due to long passage of air, therefore hot spots are eliminated
- Maintains a UL Tested NEMA Type 3R/4 seal against enclosure
- UL 484 Listed, category ACVS, UL file #SA10300, CE approved for European use
- Maintenance-free design, filterless for most applications
- Powder coated steel cover for rugged environments, easily painted to match enclosure or machine
- Condenser with 3 mm fin spacing, highly effective protection against strongly contaminated and aggressive ambient air
- Uses Internal Standard Control (SC) board
- Active condensate evaporation system
- Utilizes a thermal expansion valve (TXV) to ensure maximum performance over a broad range



Data		DTS 3161 SL (NEMA Outdoor Type 3R/4)		Unit
Part number	ANSI 61 (Gray)	13383436351	13383441351	
	RAL 7035 (Light Gray)	13383436355	13383441355	
Rated voltage ± 10 %		400 / 460 1Ø	230	VAC
Frequency		50 / 60	50/60	Hz
Cooling performance according to EN 14511		3000 - 5000		Btu/h
Power consumption		751	890	W
Nominal (Run) Current @ 35A/35A °C		4.5	6.6	A
Starting current		14.8	14.8	
Unimpeded airflow (free flow)	internal	350 (595)		CFM (m³/h)
	external	350 (595)		
Fuse (maximum)** Class CC		15	15	A
Type of connection		permanent spring terminal		
Noise level (according to EN ISO 3741)		< 70		dB(A)
Weight (without packaging)		108 (49)		lb (kg)
Ambient temperature range		+ 32 ... + 131 / + 0 ... + 55		°F / °C
Control range (adjustable)		+ 77 ... + 113 / + 25 ... + 45; factory setting + 95 / + 35		
Refrigerant	type	R134a		
	quantity	400		g
Duty cycle		100 %		
Condensate management		active condensate evaporation system with safety overflow		
Protection system according to NEMA type		NEMA Type 3R/4 against enclosure when properly installed		
		NEMA Type 1 towards the surroundings when properly installed		
Design	housing	galvanized sheet steel		
	cover	galvanized/electrostatically powder coated (200 °C)		

** SCCR rating - See user manual for instructions to achieve 200 kA (460 V) SCCR rating.

Option(s)	Piece	Part number	Information on page
900 W Enclosure Heater	1	Consult Factory	-
Accessories	Piece	Part number	Information on page
Metal Mesh Filter	1	18881500006	104
Condensate bottle	1	18314000100	104

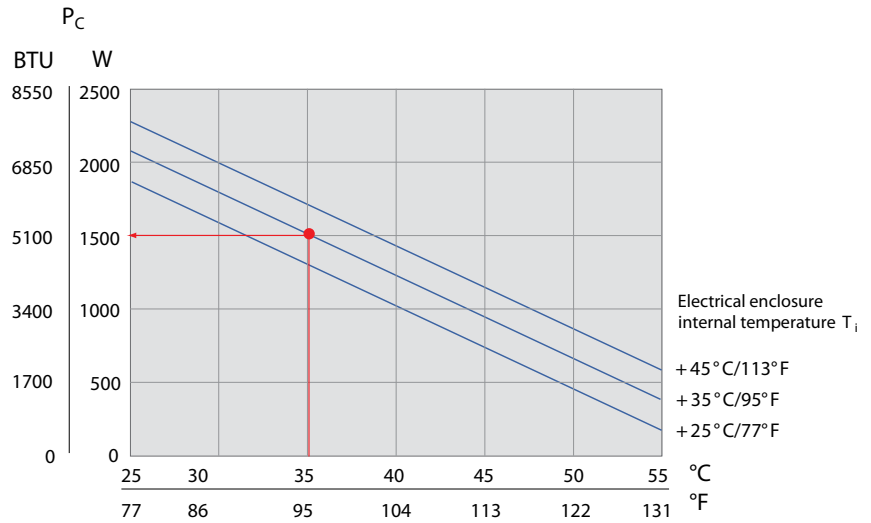
Approvals see page 15/16

Cooling Capacity Performance Curve

DTS 3161 SL

How to use chart

Example:
@ 95° F (ambient, X-axis), @ 95° F
(internal, diagonal lines)
= 5107 Btu/h cooling capacity (Y-axis)



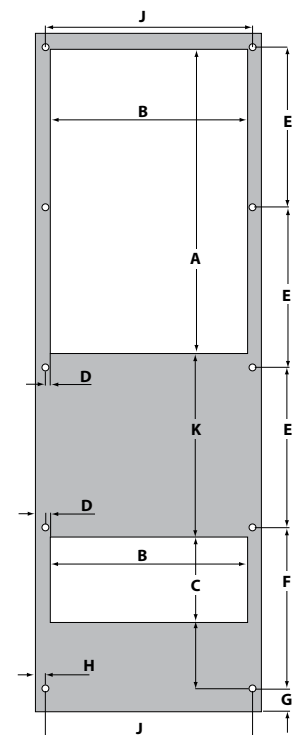
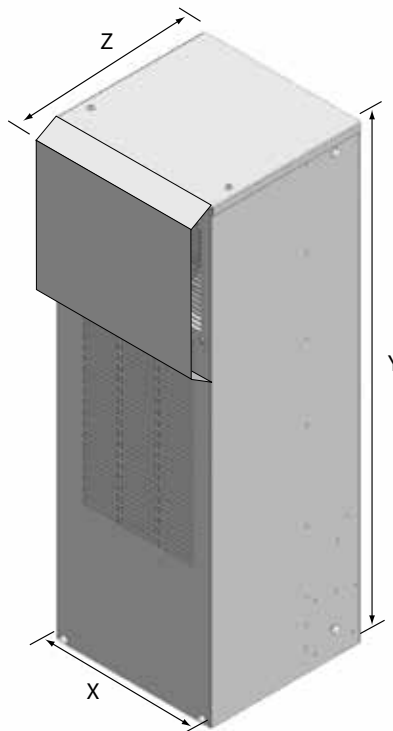
Dimensions

DTS 3161 SL

Dimension	inches (mm)
X	12.25 (311)
Y	36 (914)
Z	14.4 (367)
A	17 (430)
B	10.4 (264)
C	4.7 (118)
D	.30 (8)
E	8.5 (216)
F	8.5 (216)
G	1.3 (32)
H	.5 (13)
I	3.2 (80)
J	11 (279)
K	9 (228)

Mounting holes Ø 10 mm

Drawings are for reference only. Before making cutout consult pfannenbergusa.com for precise templates.



DTS 3165 (NEMA Outdoor Type 3R/4)

Cooling Unit 5000 - 7000 Bth/h

- Large distance between intake and exhaust vents, safe circulation within the electrical enclosure due to long passage of air, therefore hot spots are eliminated
- Maintains a UL Tested NEMA Type 3R/4 seal against enclosure
- UL 484 Listed, category ACVS, UL file #SA10300, CE approved for European use
- Maintenance-free design, filterless for most applications
- Powder coated steel cover for rugged environments, easily painted to match enclosure or machine
- Condenser with 3 mm fin spacing, highly effective protection against strongly contaminated and aggressive ambient air
- Uses Internal Standard Control (SC) board
- Active condensate evaporation system
- Utilizes a thermal expansion valve (TXV) to ensure maximum performance over a broad range



Data		DTS 3165 (NEMA Outdoor Type 3R/4)			Unit
Part number	ANSI 61 (Gray)	13383636351	13383639351	13383644351	
	RAL 7035 (Light Gray)	13383636355	13383639355	13383644355	
Rated voltage ± 10 %		400 / 460 3Ø	230	115	VAC
Frequency		50 / 60	50/60	60	Hz
Cooling performance according to EN 14511		5000 - 7000			Btu/h
Power consumption		1283	1020	1000	W
Nominal (Run) Current @ 35A/35A °C		4.5	7.8	12.6	A
Starting current		16	26	48	
Unimpeded airflow (free flow)	internal	341 (580)			CFM (m³/h)
	external	706 (1200)			
Fuse (maximum)** Class CC		5	10	15	A
Type of connection		permanent spring terminal			
Noise level (according to EN ISO 3741)		< 70			dB(A)
Weight (without packaging)		108 (49)			lb (kg)
Ambient temperature range		+ 59 ... + 131 / + 15 ... + 55			°F / °C
Control range (adjustable)		+ 77 ... + 113 / + 25 ... + 45; factory setting + 95 / + 35			
Refrigerant	type	R134a			
	quantity	400			g
Duty cycle		100 %			
Condensate management		active condensate evaporation system with safety overflow			
Protection system according to NEMA type		NEMA Type 3R/4 against enclosure when properly installed			
		NEMA Type 1 towards the surroundings when properly installed			
Design	housing	galvanized sheet steel			
	cover	galvanized/electrostatically powder coated (200 °C)			

** SCCR rating - See user manual for instructions to achieve 200 kA (460 V) SCCR rating.

Option(s)	Piece	Part number	Information on page
900 W Enclosure Heater	1	Consult Factory	-
Accessories	Piece	Part number	Information on page
Metal Mesh Filter	1	18881500006	104
Condensate bottle	1	18314000100	104

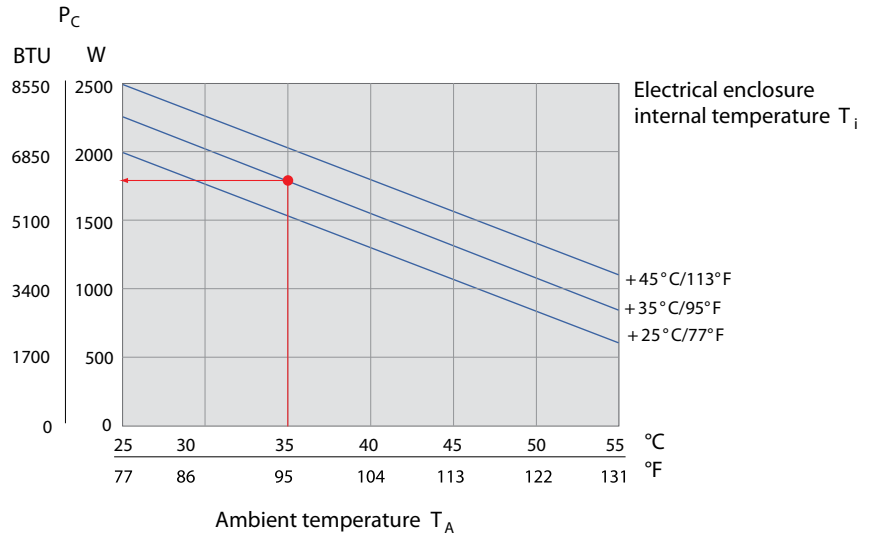
Approvals see page 15/16

Cooling Capacity Performance Curve

DTS 3165

How to use chart

Example:
@ 95° F (ambient, X-axis), @ 95° F
(internal, diagonal lines)
= 6140 Btu/h cooling capacity (Y-axis)



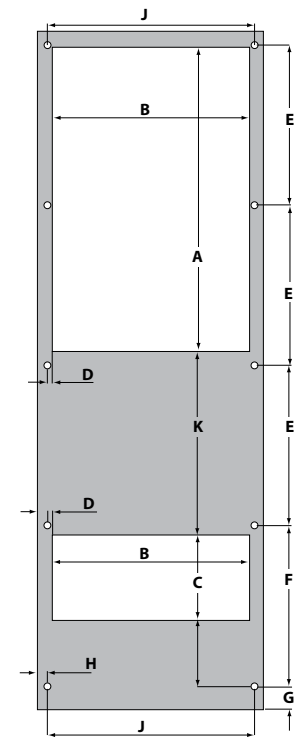
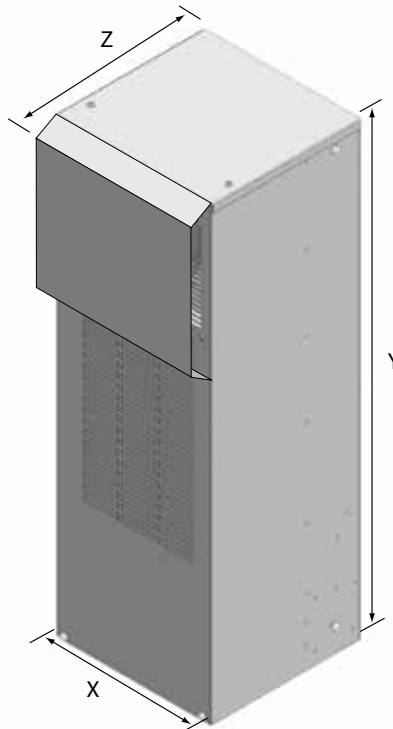
Dimensions

DTS 3165

Dimension	inches (mm)
X	12.25 (311)
Y	36 (914)
Z	14.4 (367)
A	17 (430)
B	10.4 (264)
C	4.7 (118)
D	.30 (8)
E	8.5 (216)
F	8.5 (216)
G	1.3 (32)
H	.5 (13)
I	3.2 (80)
J	11 (279)
K	9 (228)

Mounting holes \varnothing 10 mm

Drawings are for reference only. Before making cutout consult pfannenbergusa.com for precise templates.



DTS 3261 (NEMA Outdoor Type 3R/4)

Cooling Unit 7000 - 8500 Btu/h

- Large distance between intake and exhaust vents, safe circulation within the electrical enclosure due to long passage of air, therefore hot spots are eliminated
- Maintains a UL Tested NEMA Type 3R/4 seal against enclosure
- UL 484 Listed, category ACVS, UL file #SA10300, CE approved for European use
- Maintenance-free design, filterless for most applications
- Powder coated steel cover for rugged environments, easily painted to match enclosure or machine
- Condenser with 3 mm fin spacing, highly effective protection against strongly contaminated and aggressive ambient air
- Uses Internal Standard Control (SC) board
- Active condensate evaporation system
- Utilizes a thermal expansion valve (TXV) to ensure maximum performance over a broad range



Data		DTS 3261 (NEMA Outdoor Type 3R/4)			Unit
Part number	ANSI 61 (Gray)	13385736351	13385741351	13385744351	
	RAL 7035 (Light Gray)	13385736355	13385741355	13385744355	
Rated voltage ± 10 %		400 / 460 3Ø	230	115	VAC
Frequency		50 / 60	50 / 60	60	Hz
Cooling performance according to EN 14511		7000 - 8500			Btu/h
Power consumption		1400	1425	1680	W
Nominal (Run) Current @35A/35A °C		2	6.2	7.2	A
Starting current		16	21.8	53	
Unimpeded airflow (free flow)	internal	580 (985)			CFM (m³/h)
	external	580 (985)			
Fuse (maximum)** Class CC		15	15	25	A
Type of connection		permanent spring terminal			
Noise level (according to EN ISO 3741)		< 73			dB(A)
Weight (without packaging)		119 (54)			lb (kg)
Ambient temperature range		+ 32 ... + 131 / + 0 ... + 55			°F / °C
Control range (adjustable)		SC + 77 ... + 113 / + 25 ... + 45; factory setting + 95 / + 35			
Refrigerant	type	R134a			g
	quantity	700			
Duty cycle		100 %			
Condensate management		active condensate evaporation system with safety overflow			
Protection system		NEMA Type 3R/4 against enclosure when properly installed			
according to NEMA type		NEMA Type 1 towards the surroundings when properly installed			
Design	housing	galvanized sheet steel			
	cover	galvanized/electrostatically powder coated (200 °C); stainless steel on request			

** SCCR rating - See user manual for instructions to achieve 50 kA (230 V) or 200 kA (460 V) SCCR rating.

Option(s)	Piece	Part number	Information on page
900 W Enclosure Heater	1	Consult Factory	-
Accessories	Piece	Part number	Information on page
Metal Mesh Filter	1	18881500001	104
Condensate bottle	1	18314000100	104

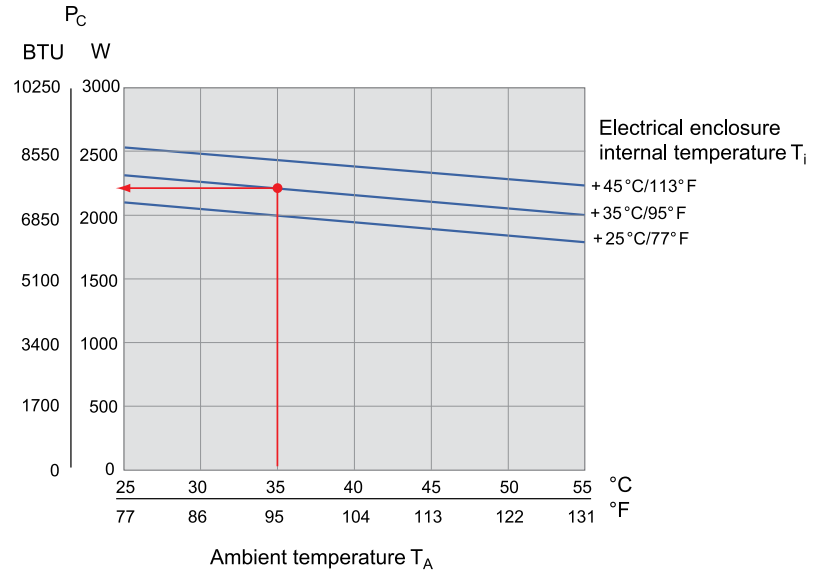
Approvals see page 15/16

Cooling Capacity Performance Curve

DTS 3261

How to use chart

Example:
@ 95° F (ambient, X-axis), @ 95° F
(internal, diagonal lines)
= 7850 Btu/h cooling capacity (Y-axis)



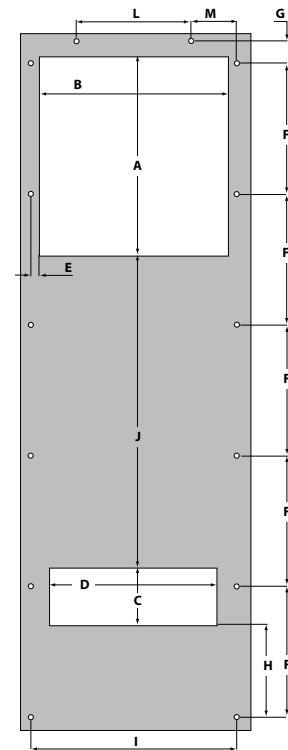
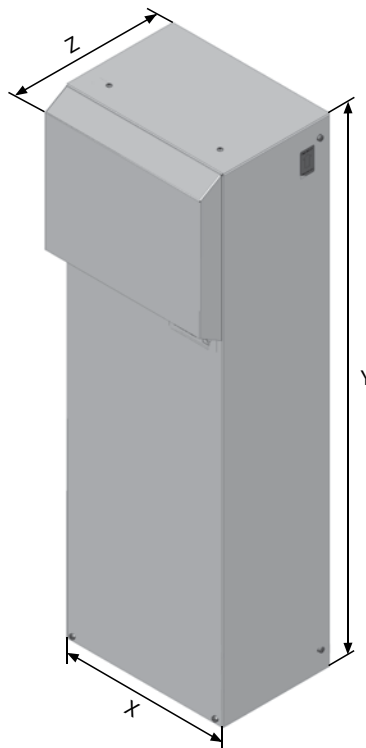
Dimensions

DTS 3261

Dimension	inches (mm)
X	15.55 (395)
Y	47.6 (1209)
Z	12.83 (326)
A	13.78 (350)
B	12.99 (330)
C	3.94 (100)
D	11.5 (292)
E	.59 (15)
F	9 (228.6)
G	1.5 (38.1)
H	6.39 (162.3)
I	14.17 (360)
J	21.46 (545)
K	1.34 (34)
L	7.87 (200)
M	3.15 (80)

Mounting holes \varnothing 8 mm

Drawings are for reference only. Before making cutout consult pfannenbergusa.com for precise templates.



DTS 3265 (NEMA Outdoor Type 3R/4)

Cooling Unit 9000 - 12000 Btu/h

- Large distance between intake and exhaust vents, safe circulation within the electrical enclosure due to long passage of air, therefore hot spots are eliminated
- Maintains a UL Tested NEMA Type 3R/4 seal against enclosure
- UL 484 Listed, category ACVS, UL file #SA10300, CE approved for European use
- Maintenance-free design, filterless for most applications
- Powder coated steel cover for rugged environments, easily painted to match enclosure or machine
- Condenser with 3 mm fin spacing, highly effective protection against strongly contaminated and aggressive ambient air
- Uses Internal Standard Control (SC) board
- Active condensate evaporation system
- Utilizes a thermal expansion valve (TXV) to ensure maximum performance over a broad range



Data		DTS 3265 (NEMA Outdoor Type 3R/4)			Unit
Part number	ANSI 61 (Gray)	13383836351	13383839351	13383844351	
	RAL 7035 (Light Gray)	13383836355	13383839355	13383844355	
Rated voltage ± 10 %		400 / 460 3Ø	230	115	VAC
Frequency		50 / 60	50/60	60	Hz
Cooling performance according to EN 14511		9000 - 12000			Btu/h
Power consumption		1700	1600	1600	W
Nominal (Run) Current @35A/35A °C		2.6	9.4	16	A
Starting current		8	38	57	
Unimpeded airflow (free flow)	internal	706 (1200)	706 (1200)	765 (1300)	CFM (m³/h)
	external	706 (1200)	706 (1200)	765 (1300)	
Fuse (maximum)** Class CC		10	15	30	A
Type of connection		permanent spring terminal			
Noise level (according to EN ISO 3741)		< 73			dB(A)
Weight (without packaging)		150 (68)			lb (kg)
Ambient temperature range		+ 59 ... + 131 / + 15 ... + 55			°F / °C
Control range (adjustable)		SC + 77 ... + 113 / + 25 ... + 45; factory setting + 95 / + 35			
Refrigerant	type	R134a			
	quantity	1200			g
Duty cycle		100 %			
Condensate management		active condensate evaporation system with safety overflow			
Protection system according to NEMA type		NEMA Type 3R/4 against enclosure when properly installed			
		NEMA Type 1 towards the surroundings when properly installed			
Design	housing	galvanized sheet steel			
	cover	galvanized/electrostatically powder coated (200 °C)			

** SCCR rating - See user manual for instructions to achieve 50 kA (230 V) or 200 kA (460 V) SCCR rating.

Option(s)	Piece	Part number	Information on page
900 W Enclosure Heater	1	Consult Factory	-
Accessories	Piece	Part number	Information on page
Metal Mesh Filter	1	18881500007	104
Condensate bottle	1	18314000100	104

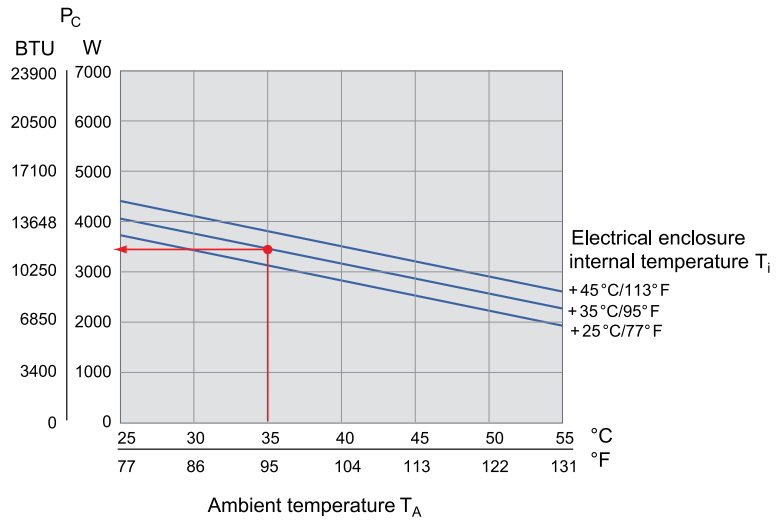
Approvals see page 15/16

Cooling Capacity Performance Curve

DTS 3265

How to use chart

Example:
@ 95° F (ambient, X-axis), @ 95° F
(internal, diagonal lines)
= 10875 Btu/h cooling capacity (Y-axis)



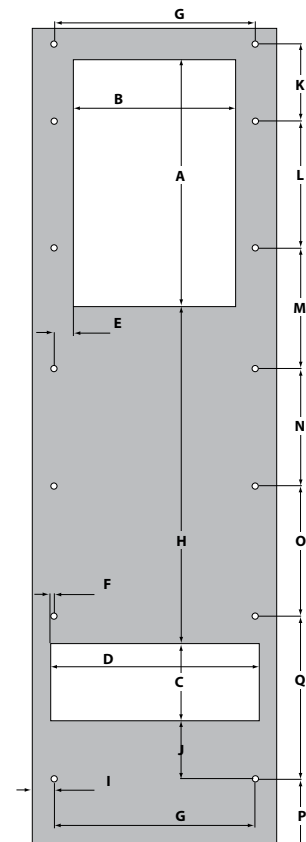
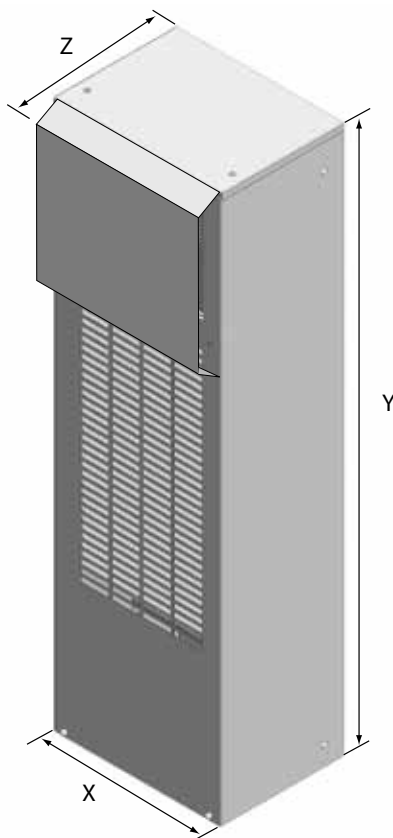
Dimensions

DTS 3265

Dimension	inches (mm)
X	16.0 (406)
Y	53.0 (1347)
Z	14.4 (367)
A	16.8 (427)
B	11 (280)
C	5.3 (135)
D	13.7 (348)
E	.98 (25)
F	.35 (9)
G	13.0 (330)
H	21.1 (537)
I	1.4 (35)
J	3.6 (92)
K	5.0 (126)
L	8.2 (209)
M	7.8 (198)
N	7.6 (192)
O	8.4 (214)
P	4.5 (114)
Q	10.5 (267)

Mounting holes Ø 8 mm

Drawings are for reference only. Before making cutout consult pfannenbergusa.com for precise templates.



DTS 3461 (NEMA Outdoor Type 3R/4)

Cooling Unit 15000 -20000 Btu/h

- Large distance between intake and exhaust vents, safe circulation within the electrical enclosure due to long passage of air, therefore hot spots are eliminated
- Maintains a UL Tested NEMA Type 3R/4 seal against enclosure
- UL 484 Listed, category ACVS, UL file #SA10300, CE approved for European use
- Powder coated steel cover for rugged environments, easily painted to match enclosure or machine
- Filterless design utilizing highly efficient, easy to clean single row micro-channel condenser
- Uses Internal Standard Control (SC) board
- Active condensate evaporation system
- Utilizes a thermal expansion valve (TXV) to ensure maximum performance over a broad range



Data		DTS 3461 (NEMA Outdoor Type 3R/4)		Unit
Part number	RAL 7035 (Light Gray)	13385036355		
	Optional: ANSI 61 (Gray)	13385036351		
Rated voltage ± 10 %		400/460 1Ø	230 (on special request)	VAC
Frequency		50 / 60		Hz
Cooling performance according to EN 14511		15000 - 20000		Btu/h
Power consumption		1979		W
Nominal (Run) Current @ 35A/35A °C		2.5		A
Starting current		3.6		
Unimpeded airflow (free flow)	internal	1270 (2157)		CFM (m³/h)
	external	830 (1410)		
Fuse (maximum)** Class CC		15		A
Type of connection		permanent spring terminal		
Noise level (according to EN ISO 3741)		>69		dB(A)
Weight (without packaging)		191 (87)		lb (kg)
Ambient temperature range		+20 ... +131 / -4 ... +55		°F / °C
Control range (adjustable)		+ 77 ... + 113 / + 25 ... + 45; factory setting + 95 / + 35		
Refrigerant	type	R134a		g
	quantity	400		
Duty cycle		100 %		
Condensate management		active condensate evaporation system with safety overflow		
Protection system according to NEMA type		NEMA Type 3R/4 against enclosure when properly installed		
		NEMA Type 1 towards the surroundings when properly installed		
Design	housing	galvanized sheet steel		
	cover	galvanized/electrostatically powder coated (200 °C) stainless steel on request.		

*50 Hz unit available. Consult factory.

** SCCR rating - See user manual for instructions to achieve 200kA (460 V) SCCR rating.

Option(s)	Piece	Part number	Information on page
Heater (PTC) Option	1	Consult factory	-
Accessories	Piece	Part number	Information on page
Filter Holder	1	18310000151	-
Filter Mats	5	18300000147	-

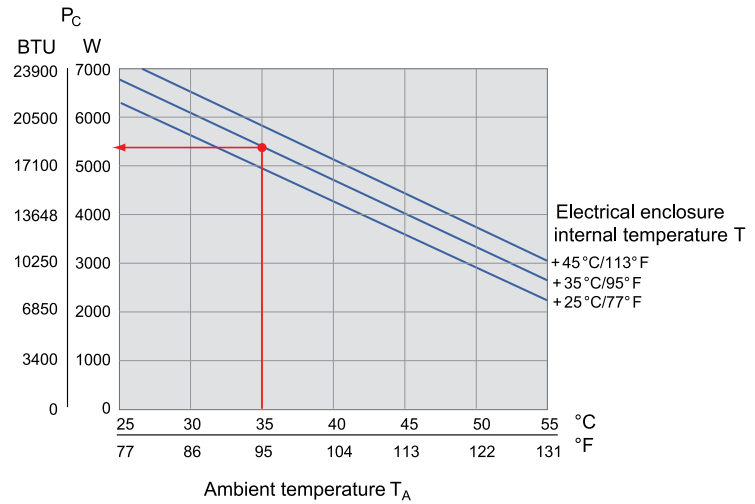
Approvals see page 15/16

Cooling Capacity Performance Curve

DTS 3461

How to use chart

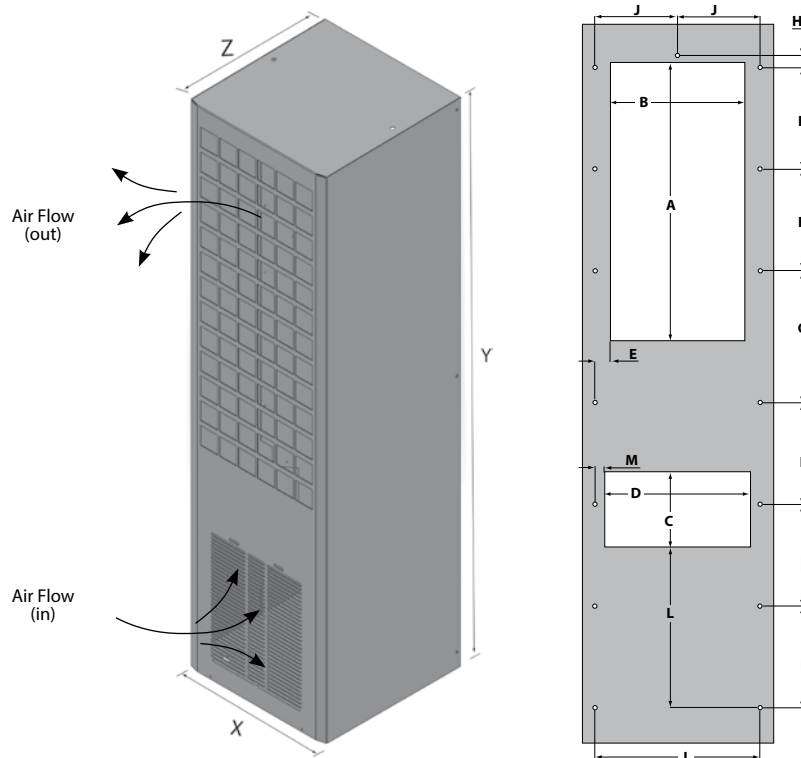
Example:
@ 95° F (ambient, X-axis), @ 95° F
(internal, diagonal lines)
= 17825 Btu/h cooling capacity (Y-axis)



Dimensions

DTS 3461

Dimension	inches (mm)
X	15.87 (403)
Y	59.13 (1502)
Z	18.43 (468)
A	23.23 (590)
B	11.22 (285)
C	6.3 (160)
D	12.2 (310)
E	1.28 (32.5)
F	8.5 (216)
G	11.02 (280)
H	1.02 (26)
I	13.78 (350)
J	6.89 (175)
K	11.02 (280)
L	13.39 (340)
M	.79 (20)
Mounting holes Ø 8 mm	
Drawings are for reference only. Before making cutout consult pfannenbergusa.com for precise templates.	



DTS 3661 (NEMA Outdoor Type 3R/4)

Cooling Unit 20000 - 24000 Btu/h

- Large distance between intake and exhaust vents, safe circulation within the electrical enclosure due to long passage of air, therefore hot spots are eliminated
- Maintains a UL Tested NEMA Type 3R/4 seal against enclosure
- UL 484 Listed, category ACVS, UL file #SA10300, CE approved for European use
- Maintenance-free design, filterless for most applications
- Powder coated steel cover for rugged environments, easily painted to match enclosure or machine
- Condenser with 3 mm fin spacing, highly effective protection against strongly contaminated and aggressive ambient air
- Uses Internal Standard Control (SC) board
- Active condensate evaporation system
- Utilizes a thermal expansion valve (TXV) to ensure maximum performance over a broad range



Data		DTS 3661 (NEMA Outdoor Type 3R/4)		Unit
Part number	ANSI 61 (Gray)	13383936351	13383939351	
	RAL 7035 (Light Gray)	13383936355	13383939355	
Rated voltage ± 10 %		400 / 460 3Ø	230	VAC
		AC 50 Hz / 60	AC 60*	Hz
Cooling performance according to EN 14511		20000 - 24000		Btu/h
Power consumption		2000/2620	3142	
Nominal (Run) Current @ 35A/35A °C		4.8	17.1	A
Starting current		25	84	
Unimpeded airflow (free flow)	internal	1613 (2740)		CFM (m³/h)
	external	1613 (2740)		
Fuse (maximum)** Class CC		15	30	A
Type of connection		permanent screw terminal		
Noise level (according to EN ISO 3741)		< 73		dB(A)
Weight (without packaging)		230 (105)		lb (kg)
Ambient temperature range		+ 32 ... + 131 / + 0 ... + 55		°F / °C
Control range (adjustable)		+ 77 ... + 113 / + 25 ... + 45; factory setting + 95 / + 35		
Refrigerant	type	R134a		
	quantity	1300		g
Duty cycle		100 %		
Condensate management		active condensate evaporation system with safety overflow		
Protection system according to NEMA type		NEMA Type 3R/4 against enclosure when properly installed		
		NEMA Type 1 towards the surroundings when properly installed		
Design	housing	galvanized sheet steel		
	cover	galvanized/electrostatically powder coated (200 °C)		

*50 Hz unit available. Consult factory.

** SCCR rating - See user manual for instructions to achieve 50 kA (230 V) or 200 kA (460 V) SCCR rating.

Option(s)	Piece	Part number	Information on page
1400 W Enclosure Heater	1	Consult Factory	-
Accessories	Piece	Part number	Information on page
Metal Mesh Filter	1	18881500004	104
Condensate bottle	1	18314000100	104

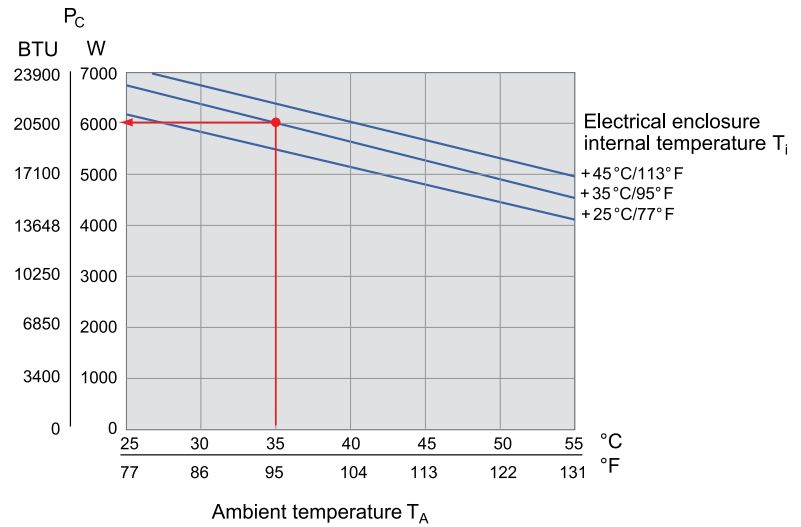
Approvals see page 15/16

Cooling Capacity Performance Curve

DTS 3661

How to use chart

Example:
@ 95° F (ambient, X-axis),
@ 95° F (internal, diagonal lines)
= 20500 Btu/h cooling capacity (Y-axis)



Dimensions

DTS 3661

Dimension	inches (mm)
X	19.02 (483)
Y	65.63 (1667)
Z	24.53 (623)
A	25 (635)
B	13.78 (350)
C	11.22 (285)
D	10.24 (260)
E	1.38 (35)
F	9.45 (240)
G	13.78 (350)
H	5.47 (139)
I	16.54 (420)
J	8.27 (210)
K	16.73 (425)
L	1.12 (28.5)

Mounting holes \varnothing 10 mm

Drawings are for reference only. Before making cutout consult pfannenbergusa.com for precise templates.

